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Regulation of human protein S gene (PROS1) transcription

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**Regulation of human Protein S gene
(*PROS1*) transcription**

Regulation of human Protein S gene (*PROS1*) transcription

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I can scarcely wait till tomorrow
When a new life begins for me,
As it does each day,
As it does each day.

~Stanley Kunitz~

Aan alle lieverds in mijn leven,
met Mams en Martijn voorop!

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Abbreviations

AP	Activator Protein
APC	Activated Protein C
APR	Acute Phase Response
AR	Androgen Receptor
ATCC	American Type Culture Collection
ATF	Activating Transcription Factor
C4BP	Complement factor 4b binding protein
C/EBP β	CCAAT/Enhancer-Binding Protein beta
ChIP	Chromatin immunoprecipitation
COS-1	African green monkey kidney cell line
CREB	cAMP-response element binding protein
CRP	C-reactive protein
DBP	D-binding protein
DIC	Disseminated Intravascular Coagulation
DPE	Downstream Promoter Element
ELISA	Enzyme-linked immunosorbent assay
EGF	Epidermal Growth Factor
EPCR	Endothelial Protein C Receptor
ER	Estrogen Receptor
ERE	Estrogen responsive element
EST	Expressed sequence tag
FBS	Foetal Bovine Serum
FOXA	Forkhead Box A
FV	Factor V
FVa	Activated factor V
FVi	Inactivated factor V
FVII	Factor VII
FVIII	Factor VIII
FIX	Factor IX
FX	Factor X
FXI	Factor XI
GAIT	Genetic Analysis of Idiopathic Thrombophilia
GAS6	Growth arrest-specific 6
GR	Glucocorticoid Receptor
GSP	Gene-Specific Primer
HeLa	Human cervix epithelial carcinoma cell line
HepG2	Human hepatocellular carcinoma cell line G2
HMEC-1 Human	dermal microvascular endothelial cell line

HNF	Hepatocyte Nuclear Factor
HRP	Horseradish peroxidase
HuH7	Human hepatocellular carcinoma cell line 7
HUVEC	Human Umbilical Vein Endothelial Cells (primary cells)
IL	Interleukin
IL6-RE	Interleukin 6-Responsive Element
Inr	Initiator
ISTH	International Society of Thrombosis and Haemostasis
MCS	Multiple Cloning Site
Meg01 H	uman megakaryocytic cell line; chronic myeloid leukemia in megakaryocytic blast crisis established from bone marrow
LAP	Liver activating protein (alias for C/EBP β)
LIP	Liver inactivating protein
NCBI	National Center for Biotechnology Information
NE	Nuclear extract
NF-IL6	Nuclear factor for IL6 (alias for C/EBP β)
NFY	Nuclear Factor Y
OC	Oral contraceptives
PAI-1	Plasminogen Activator Inhibitor-1
PBGD	Phorphobilinogen deaminase
PCI	Protein C Inhibitor
PCR	Polymerase Chain Reaction
PMSF	phenyl methyl sulfonyl fluoride
<i>PROS</i>	Protein S gene
PS	Protein S
QPCR	Quantitative real-time PCR
RACE	Rapid Amplification of cDNA Ends
SAA	Serum amyloid A
SHBG	Sex Hormone Binding Globulin
Sp	Specificity protein
STAT	Signal Transducer and Activator of Transcription
T _a	Annealing temperature
TF	Tissue factor
TFPI	Tissue Factor Pathway Inhibitor
TNF α	Tumor Necrosis Factor alpha
t-PA	Tissue-type Plasminogen Activator
TSS	Transcription Start Site
UTR	untranslated region
VTE	Venous Thrombo-Embolism

